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Application No. 09 / 226, 044	Prepared by	S. Winslow	Tracking Number	5933920
Examiner-GAU Kishore - 1615	Date	5-13-04	Week Date	4-12-04
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c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
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INFORMATION CITED BY APPLICANTS THAT MAY BE M PROSECUTION OF THE SUBJECT APPLICATION

Applicants:

A.S. Hoffman et al.

Attorney Docket No. UWOTL118949

Application No.: 09/226,044

Group Art Unit: 1615

Filed:

January 5, 1999

Examiner: G. Kishore

Title:

ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS

U.S. PATENT DOCUMENTS

*Examiner Cit Initials No		ocument No.	Kind Code	Date (mm/dd/yyyy)	Name
U8	3	5,451,411		09/19/1995	Gombotz et al.
U9)	5,770,627		06/23/1998	Inoue et al.
U1	0	5,998,588	•	12/07/1999	Hoffman et al.
U1	1	6,165,509		12/26/2000	Hoffman et al.
U1	2	6,486,213	B1	11/26/2002	Chen et al.
U1	3	5,939,453		08/17/1999	Heller et al.
Ul	4	6,210,717	Bl	04/03/2001	Choi et al.

FOREIGN PATENT DOCUMENTS

*E	. 0:4-			Dublination Date		English	
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Initial	No.	Document No.	Code	(mm/dd/yyyy)	Country	Provided	Provided

NONE

*Examiner Cite

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

Initial	No.	
	O28	Cheung, C.Y., et al., "A pH-Sensitive Polymer That Enhances Cationic Lipid-Mediated Gene Transfer," <i>Bioconjugate Chem.</i> 12:906-910, 2001.
	O29	Cordes, E.H., and H.G. Bull, "Mechanism and Catalysis for Hydrolysis of Acetals, Ketals, and Ortho Esters," <i>Chemical Reviews</i> 74(5):581-603, 1974.

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*Examiner Initial	Cite No.	
	O30	Ding, Z., et al., "Synthesis and Purification of Thermally Sensitive Oligomer-Enzyme Conjugates of Poly(<i>N</i> -isopropylacrylamide)-Trypsin," <i>Bioconjugate Chem.</i> 7:121-125, 1996.
	O31	Feijen J., et al., "Thermosensitive Polymers and Hydrogels Based on N-Isoproprylacrylamide," 11th European Conference on Biomaterials, Pisa, Italy, September 10-14, 1994, pp. 256-260.
	O32	Fife, T.H., and L.K. Jao, "Substituent Effects in Acetal Hydrolysis," <i>Journal of Organic Chemistry</i> 30(5):1492-1495, May 1965.
	O33	Hansch, C., and W.R. Glave, "Structure-Activity Relationships in Membrane-Perturbing Agents," <i>Molecular Pharmacology</i> 7:337-354, 1971.
	O34	Kratz, F., et al., "Drug-Polymer Conjugates Containing Acid-Cleavable Bonds," Critical Reviews in Therapeutic Drug Carrier Systems," 16(3):245-288, 1999.
	O35	Kyriakides, T.R., et al., "pH-Sensitive Polymers That Enhance Intracellular Drug Delivery In Vivo," <i>Journal of Controlled Release</i> 78:295-303, 2002.
	O36	Linhardt, J.G., and D.A. Tirrell, "pH-Induced Fusion and Lysis of Phosphatidylcholine Vesicles by the Hydrophobic Polyelectrolyte Poly(2-ethylacrylic Acid)," <i>Langmuir 16</i> :122-127, 2000.
•	O37	Murthy, N., et al., "The Design and Synthesis of Polymers for Eukaryotic Membrane Disruption," <i>Journal of Controlled Release</i> 61:137-143, 1999.
	O38	Schroeder, U.K.O., and D.A. Tirrell, "Structural Reorganization of Phosphatidylcholine Vesicle Membranes by Poly(2-ethylacrylic acid). Influence of the Molecular Weight of the Polymer," <i>Macromolecules</i> 22:765-769, 1989.
	O39	Tycko, B., et al., "Rapid Acidification of Endocytic Vesicles Containing Asialoglycoprotein in Cells of a Human Hepatoma Line," <i>Journal of Cell Biology</i> 97:1762-1776, 1983 (abstract only).
Exam	iner	Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

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